BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work:	Improvements to Roads and Drains at Deshabanndunagara and Surrounding areas in Ward No. 09, (Vidyaranyapura).
Estimated Cost :	Rs. 47.00 Lakhs
Job Code:	009-22-000010
Head of Account :	P-2178 Work Sanctioned by Dy. Mayor
Name of Agency:	Sri. Nagoor Lakanadha Reddy, No. Flat No. 102, 1st Floor, No. 02, MSNR Enclave, 2nd Cross, Manorayana Palya, RT Nagar Post, Bangalore - 32.
Work order No:	BBMP/EE/BTP/WO/54/2022-23 Dated: 29-06-2022.

Measurements Recarded on : 08-07-2022

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.						
	New Drain	**Cum**					
	ChikkaVenkatappa Layout						
	Main Road E/S						
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	8.50	1.10	1.00	9.35
			1	6.00	1.10	1.00	6.60
			1	15.80	1.10	1.00	17.38
			1	18.30	1.10	1.00	20.13
			1	9.10	1.10	1.00	10.01
			1	19.70	1.10	1.00	21.67
			1	17.30	1.10	1.00	19.03
	From 1st Cross to 2nd Cross N/S						
			1	15.00	1.10	1.00	16.50
			1	9.80	1.10	1.00	10.78
	1st Cross Road W/S						
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	4.00	1.10	1.00	4.40
	1st Cross Road E/S						

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	3.10	1.10	1.00	3.41
	2nd Cross Road W/S						
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	15.00	1.10	1.00	16.50
			1	13.20	1.10	1.00	14.52
	For Culvert						
	Chikkavenkatappa Layout Main Road near 1st Cross	Cum	1	7.30	2.00	1.20	17.52
	Total						**517.80**
	Qty upto 125%						**363.83**
	Above 125%						**153.98**

08/07/22

Assistant Engineer
Ward No. 09

N. Lelanadhareddy

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty
	Measurements Recarded on :	12-07-2022					
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.						
	For Drain	**Cum**					
	ChikkaVenkatappa Layout						
	Main Road E/S						
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	8.50	1.10	0.15	1.40
			1	6.00	1.10	0.15	0.99
			1	15.80	1.10	0.15	2.61
	From 1st Cross to 3rd Cross S/S						
			1	18.30	1.10	0.15	3.02
			1	9.10	1.10	0.15	1.50
			1	19.70	1.10	0.15	3.25
			1	17.30	1.10	0.15	2.85
	From 1st Cross to 2nd Cross N/S						
			1	15.00	1.10	0.15	2.48
			1	9.80	1.10	0.15	1.62
	1st Cross Road W/S						
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	4.00	1.10	0.15	0.66
	1st Cross Road E/S						
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	3.10	1.10	0.15	0.51
	2nd Cross Road W/S						
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	15.00	1.10	0.15	2.48
			1	13.20	1.10	0.15	2.18
	For Culvert						
	Chikkavenkatappa Layout Main Road near 1st Cross		1	7.30	2.00	0.15	2.19
	Total						**77.23**

Sl No	Description of work	Unit	Mesurement				Qty
			No.	L	B	D	
	Qty upto 125%						**70.91**
	Above 125%						**6.32**

Assistant Engineer 19/10/22
Ward No. 09

N. Lokanatha

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty
	Measurements Recarded on :	20/07/22					
6	Supplying, Fitting and Placing un-coated T.M.T bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.						
	RCC Drain	**No**	**L**	**Mtrs**			
	Main Road E/S						
	10 mm 'U' Shape	457	2.20	1005.40			
	8 mm Horizontal	14	68.50	959.00			
	10 mm 'U' Shape	146	2.20	321.20			
	8 mm Horizontal	14	21.80	305.20			
	From 1st Cross to 3rd Cross S/S						
	10 mm 'U' Shape	430	2.20	946.00			
	8 mm Horizontal	14	64.40	901.60			
	From 1st Cross to 2nd Cross N/S						
	10 mm 'U' Shape	430	2.20	946.00			
	8 mm Horizontal	14	64.40	901.60			
	1st Cross Road W/S						
	10 mm 'U' Shape	627	2.20	1379.40			
	8 mm Horizontal	14	94.00	1316.00			
	1st Cross Road E/S						
	10 mm 'U' Shape	621	2.20	1366.20			
	8 mm Horizontal	14	93.10	1303.40			
	2nd Cross Road W/S						
	10 mm 'U' Shape	589	2.20	1295.80			
	8 mm Horizontal	14	88.20	1234.80			
	Culvert						
	Bank Colony 3rd Cross Road						
	16 mm Double Mat 'U' Shape	62	2.50	155.00			
	12 mm Horizontal	18	7.30	131.40			
				Mtrs	**Kg/m**	**Kgs**	
	Total Qty 16 mm			**155.00**	1.58	**244.90**	
	Total Qty 12 mm			**131.40**	0.89	**116.95**	
	Total Qty 10 mm			**7260.00**	0.62	**4501.20**	
	Total Qty 8 mm			**6921.60**	0.39	**2699.42**	
						7562.47	**Kgs**
		Total Qty =				7.56	**Tonnes**
		Qty Limited to Tender Qty =				7.55	**Tonnes**

Assistant Engineer
20/07/22
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97